This work focuses on algorithms related to dynamic temporal networks. In the rst part, we describe existing algorithms mainly for maintaining path consistency after either restriction or relaxation of constraints. In the second part, we describe a problem of nding a minimal perturbation within a solution in sequence of dynamic temporal networks. We solve this problem on Simple Temporal Networks. We analyze the problem and then we propose an approach for solving it. We also include experimental e ectivity measurements on sets of parametrically generated problems.